

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	50	(US-20050150830-\$ or US-20050132775-\$ or US-20040264293-\$ or US-20020009015-\$).did. or (US-6859050-\$ or US-6764860-\$ or US-6719449-\$ or US-6515030-\$ or US-6440725-\$ or US-6413783-\$ or US-6361747-\$ or US-6277332-\$ or US-6244738-\$ or US-6224778-\$ or US-6210128-\$ or US-6100084-\$ or US-6090295-\$ or US-6086821-\$ or US-6039309-\$ or US-6010316-\$ or US-6003388-\$ or US-5965001-\$ or US-5831166-\$ or US-5779985-\$ or US-5739432-\$ or US-5736100-\$ or US-5688406-\$ or US-5688405-\$ or US-5674742-\$ or US-5646039-\$).did. or (US-5626734-\$ or US-5523058-\$ or US-5484573-\$ or US-5395592-\$ or US-5276376-\$ or US-5026167-\$ or US-4983189-\$ or US-4879011-\$ or US-4571087-\$ or US-4488816-\$ or US-4307964-\$ or US-3851861-\$ or US-3743523-\$ or US-3614069-\$ or US-3396286-\$ or US-3194640-\$ or US-3169013-\$ or US-2864592-\$ or US-2855526-\$ or US-2565159-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/06/07 15:39

L2	17	I1 and (focus or foci for focused or vertex)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 15:40
L3	511	( "2565159"   "2578505" "2632634"   "2766881" "2855526"   "2864592" "2907455"   "2950725" "3056589"   "3066686" "3109721"   "3117768" "3118979"   "3194640" "3396286"   "3463321" "3464672"   "3544733" "3573781"   "3614069" "3625884"   "3638087" "3650094"   "3683212" "3746897"   "3753886" "3799742"   "3805596" "3840758"   "3876890" "3946829"   "3963380" "4013552"   "4055491" "4071225"   "4114194" "4115036"   "4168295" "4171852"   "4249146" "4275363"   "4280823" "4282532"   "4296417" "4302728"   "4307964" "4308547"   "4339247" "4346011"   "4369100" "4383264"   "4390976" "4395719"   "4398925" "4426451"   "4433916" "4468680"   "4488816" "4523682"   "4554477" "4556467"   "4559826" "4562413"   "4571087" "4620917"   "4642220" "4654546"   "4673512" "4687962"   "4688199" "4703213"   "4736130" "4747920"   "4789628" "4834124"   "4836684" "4855240"   "4864547" "4868521"   "4879011" "4885783"   "4888565" "4891120"   "4895500" "4908112"   "4908318" "4914256"   "4914641" "4915812"   "4918025" "4921952"   "4923978" "4941135"   "4963498" "4983189"   "4983523" "5006266"   "5026167" "5033033"   "5037481" "5061446"   "5065066" "5076854"   "5085562"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/07 15:42

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L4	736140	(focus or foci for focused or vertex)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 15:43
L5	1176978	acoustic or sonic or ultrasonic or sound	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 15:44
L6	96099	I5 and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 15:44
L7	162	I3 and I4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 15:44
L8	100	I7 and (mm or cm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:47
L9	35	I7 and ((mm or cm) same (focus or foci or focused or vortex))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:48
L10	696056	(focus or foci or focused or vertex)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:50
L11	1779117	I10 or I5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:50

L12	360404	l11 and (mm or cm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:51
L13	39718	((mm or cm) same (focus or foci or focused or vortex))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:51
L14	35625	l13 and l12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:51
L15	2495	megasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:51
L16	2495	l15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:51
L17	313	l15 and l10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:51
L18	31	l15 and l10 and l13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/06/07 16:52
L19	1	("6440725").PN.	US-PGPUB; USPAT	OR	OFF	2008/06/07 17:20
L20	3	gigasonic	US-PGPUB; USPAT	OR	OFF	2008/06/07 17:24
S1	132	(US-5705813-\$ or US- 5681484-\$ or US- 5658413-\$ or US- 5635358-\$ or US- 5637469-\$ or US- 5632876-\$ or US- 5587128-\$ or US- 5508234-\$ or US- 5498392-\$ or US- 5500071-\$ or US- 5573334-\$ or US- 6176991-\$ or US- 6033546-\$ or US- 5599432-\$ or US- 4521117-\$ or US-	USPAT	OR	OFF	2002/09/25 09:05

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S2	3	(US-3304063-\$ or US- 2634109-\$ or US- 1842877-\$).did.	USPAT	OR	OFF	2002/09/25 08:50
S3	18	(US-6270641-\$ or US- 6271038-\$ or US- 6238538-\$ or US- 6251343-\$ or US- 5800690-\$ or US- 6167910-\$ or US- 6221654-\$ or US- 6235175-\$ or US- 6153073-\$ or US- 6156181-\$ or US- 6143152-\$ or US- 6150119-\$ or US- 6148508-\$ or US- 6149787-\$ or US- 6129826-\$ or US- 5852495-\$ or US- 5965001-\$ or US- 6150180-\$).did.	USPAT	OR	OFF	2002/09/25 08:52
S4	19	(US-6071081-\$ or US- 6065864-\$ or US- 5443985-\$ or US- 5221326-\$ or US- 5275787-\$ or US- 4849340-\$ or US- 5605653-\$ or US- 5699462-\$ or US- 4792283-\$ or US- 4007010-\$ or US- 4723129-\$ or US- 5375979-\$ or US- 6062681-\$ or US- 6010316-\$ or US- 6192939-\$ or US- 5571410-\$ or US- 6129702-\$ or US- RE36350-\$ or US- 6186659-\$).d"	USPAT	OR	OFF	2002/09/25 08:55
S5	1	("1750245").PN.	USPAT; USOCR	OR	OFF	2002/09/25 08:55



S6	132	(("6186660") or ("6184029") or ("6180536") or ("6170981") or ("6156273") or ("6136272") or ("6101715") or ("6082891") or ("6036927") or ("6031286") or ("5993750") or ("5980704") or ("5971158") or ("5928880") or ("5904424") or ("5803600") or ("5727618") or ("5681484") or ("5205902") or ("5803600") or ("6176991") or ("5957579") or ("5842787") or ("5573334") or ("4521117") or ("3849075") or ("3304063") or ("2634109") or ("1842877") or ("6194900") or ("5965001") or ("5932100") or ("5800690") or ("4908112") or ("4397100") or ("6213151") or ("6210986") or ("6209928") or ("6200814") or ("6194066") or ("6192939") or ("6192596") or ("6190034") or ("6176962") or ("6174675") or ("6159739") or ("6158712") or ("6156181") or ("6150180") or ("6150119") or ("6146103") or ("6134950") or ("6132685") or ("6130098") or ("6129973") or ("6129854") or ("6129826") or ("6123798") or	USPAT; USOCR	OR	OFF	2002/09/25 08:57
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("6120665") or  
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		( "5498392") or "5486335") or "5482598") or "5427946") or "5327777") or "5304487") or "5296375") or "4516632") or "5760894") or "6033546") or "5599432") or "6065864") or "6153073") or "6149787") or "6068752") or "5893974") or "6063589")) .PN.				
S7	25	(US-5354460-\$ or US-5938333-\$ or US-4999102-\$ or US-1409259-\$ or US-3533594-\$ or US-2734224-\$ or US-4537217-\$ or US-5783129-\$ or US-5289224-\$ or US-5992453-\$ or US-4017240-\$ or US-4550681-\$ or US-4354932-\$ or US-4636315-\$ or US-3825645-\$ or US-3381336-\$ or US-5304487-\$ or US-5296375-\$ or US-3020579-\$ or US-5637469-\$ or US-5866345-\$ or US-5635358-\$ or US-5427946-\$ or US-5355318-\$ or US-5955029-\$).did.	USPAT	OR	OFF	2002/09/25 08:59
S8	33	(US-5646039-\$ or US-5523058-\$ or US-4678340-\$ or US-4688306-\$ or US-4641155-\$ or US-6187211-\$ or US-6081064-\$ or US-5794023-\$ or US-5738635-\$ or US-5563346-\$ or US-5535006-\$ or US-5452267-\$ or US-5030872-\$ or US-4888861-\$ or US-4829209-\$ or US-	USPAT	OR	OFF	2002/09/25 09:00

		4395652-\$ or US- 4467237-\$ or US- 4586512-\$ or US- 4558249-\$ or US- 4446396-\$ or US- 4012952-\$ or US- 2956184-\$ or US- 3624896-\$ or US- 5174296-\$ or US- 5780748-\$ or US- 5466932-\$).did. or (US- 4938742-\$ or US- 4961252-\$ or US- 4541429-\$ or US- 6010316-\$ or US- 5644184-\$ or US- 4879011-\$ or US- 4692776-\$).did.				
S9	62	(US-5965237-\$ or US- 5904424-\$ or US- 5858567-\$ or US- 5863671-\$ or US- 5858188-\$ or US- 5811062-\$ or US- 6210514-\$ or US- 6184608-\$ or US- 6082185-\$ or US- 5824186-\$ or US- 5783856-\$ or US- 5771321-\$ or US- 5469020-\$ or US- 5534328-\$ or US- 3856270-\$ or US- 3823457-\$ or US- 4392362-\$ or US- 5839467-\$ or US- 5705070-\$ or US- 5585011-\$ or US- 5369007-\$ or US- 5223219-\$ or US- 5077017-\$ or US- 5039617-\$ or US- 4946795-\$ or US- 4868129-\$).did. or (US- 4756884-\$ or US- 4618476-\$ or US- 4610170-\$ or US- 4596780-\$ or US- 6296020-\$ or US- 6274337-\$ or US- 6071478-\$ or US- 5099311-\$ or US- 5070606-\$ or US- 5372946-\$ or US- 5028142-\$ or US- 5016707-\$ or US- 4728500-\$ or US-	USPAT	OR	OFF	2002/09/25 09:03

		6376181-\$ or US- 6368871-\$ or US- 4124478-\$ or US- 6290685-\$ or US- 6287517-\$ or US- 5376252-\$ or US- 3901731-\$ or US- 6171850-\$ or US- 6190034-\$ or US- 6184029-\$ or US- 6176962-\$ or US- 6168948-\$ or US- 5595712-\$ or US- 6143247-\$).did. or (US- 6126804-\$ or US- 6103537-\$ or US- 6063589-\$ or US- 6054034-\$ or US- 5698299-\$ or US- 5234586-\$ or US- 6388231-\$ or US- 6391559-\$).did. or (US- 5935401-\$ or US- 5858188-\$ or US- 5904424-\$).did.				
S17	1	("6143152").PN.	USPAT; USOCR	OR	OFF	2005/09/14 10:19
S18	279	(US-5632876-\$ or US- 5599432-\$ or US- 5587128-\$ or US- 5573334-\$ or US- 5508234-\$ or US- 5500071-\$ or US- 5498392-\$ or US- 5486335-\$ or US- 5482598-\$ or US- 5427946-\$ or US- 5327777-\$ or US- 5304487-\$ or US- 5296375-\$ or US- 5205902-\$ or US- 4963498-\$ or US- 4908112-\$ or US- 4521117-\$ or US- 4516632-\$ or US- 4397100-\$ or US- 3849075-\$ or US- 6271038-\$ or US- 6270641-\$ or US- 6251343-\$ or US- 6238538-\$ or US- 6235175-\$ or US- 6221654-\$).did. or (US- 6167910-\$ or US- 6148508-\$ or US- 6143152-\$ or US- 6186659-\$ or US-	USPAT	OR	OFF	2003/01/10 15:07

6129702-\$ or US-  
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4792283-\$ or US-  
4723129-\$ or US-  
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6209928-\$ or US-  
6210986-\$ or US-

6213151-\$ or US-  
6361958-\$ or US-  
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6368871-\$ or US-  
6296020-\$ or US-  
6290685-\$ or US-  
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		5803600-\$ or US- 5852495-\$ or US- 5755942-\$ or US- 5760894-\$ or US- 5800690-\$ or US- 5783452-\$ or US- 5788766-\$).did. or (US- 5795788-\$ or US- 5746368-\$ or US- 5727618-\$ or US- 5726026-\$ or US- 5716852-\$ or US- 5705813-\$ or US- 5681484-\$ or US- 5658413-\$ or US- 5637469-\$ or US- 5635358-\$).did.				
S19	12	(US-2634109-\$ or US- 3304063-\$ or US- 1842877-\$ or US- 3533594-\$ or US- 3825645-\$ or US- 3381336-\$ or US- 2734224-\$ or US- 3020579-\$ or US- 1409259-\$ or US- 3624896-\$ or US- 2956184-\$ or US- 3799742-\$).did.	USOCR	OR	OFF	2003/01/10 15:07
S20	8	((US-5632876-\$ or US- 5599432-\$ or US- 5587128-\$ or US- 5573334-\$ or US- 5508234-\$ or US- 5500071-\$ or US- 5498392-\$ or US- 5486335-\$ or US- 5482598-\$ or US- 5427946-\$ or US- 5327777-\$ or US- 5304487-\$ or US- 5296375-\$ or US- 5205902-\$ or US- 4963498-\$ or US- 4908112-\$ or US- 4521117-\$ or US- 4516632-\$ or US- 4397100-\$ or US- 3849075-\$ or US- 6271038-\$ or US- 6270641-\$ or US- 6251343-\$ or US- 6238538-\$ or US- 6235175-\$ or US- 6221654-\$).did. or (US- 6167910-\$ or US- 6148508-\$ or US-	USPAT	OR	OFF	2003/01/10 15:09

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		5866345-\$ or US- 5858187-\$ or US- 5803600-\$ or US- 5852495-\$ or US- 5755942-\$ or US- 5760894-\$ or US- 5800690-\$ or US- 5783452-\$ or US- 5788766-\$).did. or (US- 5795788-\$ or US- 5746368-\$ or US- 5727618-\$ or US- 5726026-\$ or US- 5716852-\$ or US- 5705813-\$ or US- 5681484-\$ or US- 5658413-\$ or US- 5637469-\$ or US- 5635358-\$).did.) and "boundary layer"				
S21	1	((US-2634109-\$ or US- 3304063-\$ or US- 1842877-\$ or US- 3533594-\$ or US- 3825645-\$ or US- 3381336-\$ or US- 2734224-\$ or US- 3020579-\$ or US- 1409259-\$ or US- 3624896-\$ or US- 2956184-\$ or US- 3799742-\$).did.) and "boundary layer"	USOCR	OR	OFF	2003/01/10 15:10
S27	2	((US-3799742-\$ or US- 1842877-\$ or US- 2634109-\$ or US- 3304063-\$ or US- 2956184-\$ or US- 3624896-\$ or US- 1409259-\$ or US- 2734224-\$ or US- 3020579-\$ or US- 3533594-\$ or US- 3381336-\$ or US- 3825645-\$).did.) and electrical	USOCR	OR	OFF	2003/05/13 11:58

S47	9	((US-5932100-\$ or US-5904424-\$ or US-5858187-\$ or US-5716852-\$ or US-4397100-\$ or US-6270641-\$ or US-6148508-\$ or US-6186659-\$ or US-4792283-\$ or US-4879011-\$ or US-6368871-\$ or US-6274337-\$ or US-6176991-\$ or US-5839467-\$ or US-4868129-\$ or US-4596780-\$ or US-5904824-\$ or US-6331073-\$ or US-6524790-\$ or US-6561968-\$ or US-6260579-\$ or US-6193866-\$ or US-6116257-\$ or US-6508273-\$ or US-6475722-\$ or US-6406605-\$).did. or (US-6344120-\$ or US-5429728-\$ or US-5447617-\$ or US-5092972-\$ or US-5126022-\$ or US-4911817-\$ or US-6506609-\$ or US-6197176-\$ or US-5626734-\$ or US-4390403-\$ or US-6136272-\$ or US-6134950-\$ or US-6042709-\$ or US-6010316-\$ or US-5974867-\$ or US-5971158-\$ or US-5965410-\$ or US-5965001-\$ or US-5957579-\$ or US-6361747-\$ or US-4488816-\$ or US-6130098-\$ or US-6129826-\$ or US-6120665-\$ or US-6080295-\$ or US-6065864-\$ or US-6048734-\$).did. or (US-6150119-\$ or US-6186660-\$).did.) and (acoustic or sound)	USPAT	OR	OFF	2003/05/27 16:50
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S48	1	((US-3687834-\$ or US-2772862-\$ or US-2714186-\$).did.) and (acoustic or sound)	USOCR	OR	OFF	2003/05/27 16:51
S49	0	366/dig.4.ccls.	USOCR	OR	OFF	2003/05/27 16:51
S50	3	366/dig.4.ccls.	USPAT	OR	OFF	2003/05/27 16:51
S51	1	("4571087").PN.	USPAT; USOCR	OR	OFF	2003/06/14 18:09
S52	285	(366/127).CCLS.	USPAT; USOCR	OR	OFF	2003/06/14 18:47
S53	5	("4939405"   "5215446"   "5688405"   "6237619"   "6431212").PN.	USPAT	OR	OFF	2003/06/14 18:24
S54	0	"6568052".URPN.	USPAT	OR	OFF	2003/06/14 18:26
S55	1	("6210128").PN.	USPAT; USOCR	OR	OFF	2003/06/14 18:26
S56	12	("3840758"   "3963380"   "4115036"   "4296417"   "4395719"   "5085562"   "5525041"   "5674742"   "5736100"   "6003388"   "6010316"   "6091406").PN.	USPAT	OR	OFF	2003/06/14 18:26
S57	342	(366/108).CCLS.	USPAT; USOCR	OR	OFF	2003/06/14 19:00
S58	255	(366/145).CCLS.	USPAT; USOCR	OR	OFF	2003/06/14 18:57
S59	2	((366/145).CCLS.) AND sonic	USPAT	OR	OFF	2003/06/14 18:58
S60	594	((366/108).CCLS.) or ((366/145).CCLS.)	USPAT	OR	OFF	2003/06/14 18:58
S61	314966	((366/108).CCLS.) or ((366/145).CCLS.) and pressure sensor	USPAT	OR	OFF	2003/06/14 18:58
S62	8	((366/108).CCLS.) or ((366/145).CCLS.) and "pressure sensor"	USPAT	OR	OFF	2003/06/14 18:59
S63	615	((366/127).CCLS.) or ((366/108).CCLS.)	USPAT	OR	OFF	2003/06/14 19:00
S64	6	((366/127).CCLS.) or ((366/108).CCLS.) and "pressure sensor"	USPAT	OR	OFF	2003/06/14 19:09
S65	91	"stepper motor" and "ultrasonic" and ("mix" or "agitate")	USPAT	OR	OFF	2003/06/14 20:18

S66	21	("1734975"   "3301535" "3325976"   "3552536" "3811623"   "3837805" "3951605"   "4022579" "4259290"   "4582990" "4919807"   "4973876" "5176446"   "5206171" "5380487"   "5413770" "5446263"   "5496517" "5722444"   "5736100" "5779985").PN.	USPAT	OR	OFF	2003/06/14 19:18
S67	0	"stepper motor" and "5779985".pn.	USPAT	OR	OFF	2003/06/14 20:17
S68	41	"stepper motor" and "ultrasonic" and ("mix" or "agitate") and tubes	USPAT	OR	OFF	2003/06/14 20:18
S69	30	("2565159"   "2632634" "2855526"   "2864592" "2950725"   "3066686" "3194640"   "3396286" "3786890"   "4307964" "4488816"   "4834124" "5037481"   "5484573" "5523058"   "5688406" "5736100"   "5779985" "5890802"   "6010316" "6100084"   "6210128" "6244738"   "6277332" "6284113"   "6316747" "6361747"   "6413783" "6515030"   "RE31779").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 13:12
S70	33	("0001779"   "2565159" "2632634"   "2855526" "2864592"   "2950725" "3066686"   "3194640" "3396286"   "3614069" "3876890"   "4307964" "4488816"   "4571087" "4834124"   "5026167" "5037481"   "5484573" "5523058"   "5639423" "5688406"   "5736100" "5779985"   "5890802" "6010316"   "6100084" "6210128"   "6244738" "6277332"   "6284113" "6361747"   "6413783" "6515030").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/13 13:12
S71	6	S70 not S69	US-PGPUB; USPAT	OR	OFF	2005/09/13 13:12

S72	41	(US-3720402-\$ or US-3743523-\$ or US-3762368-\$ or US-3851861-\$ or US-4117550-\$ or US-4307964-\$ or US-4433916-\$ or US-4463708-\$ or US-4488816-\$ or US-4571087-\$ or US-4879011-\$ or US-5276376-\$ or US-5395592-\$ or US-5484573-\$ or US-5523058-\$ or US-5626734-\$ or US-5646039-\$ or US-5674742-\$ or US-5688405-\$ or US-5688406-\$ or US-5736100-\$ or US-5902489-\$ or US-5965001-\$ or US-6003388-\$ or US-6010316-\$ or US-6042709-\$).did. or (US-6048734-\$ or US-6080295-\$ or US-6193866-\$ or US-6210128-\$ or US-6277332-\$ or US-6361747-\$ or US-6413783-\$ or US-6440725-\$ or US-6515030-\$ or US-6568052-\$ or US-RE29161-\$).did. or (US-2632634-\$ or US-2714186-\$ or US-2772862-\$ or US-2864592-\$).did.	USPAT; USOCR	AND	ON	2005/09/13 13:12
S73	60	S69 or S70 or S71 or S72	US-PGPUB; USPAT	AND	ON	2005/09/13 13:14
S74	5	laugharn and garrison	US-PGPUB; USPAT	AND	ON	2005/09/13 13:14
S75	14	S73 and sensor	US-PGPUB; USPAT	AND	ON	2005/09/13 13:32
S76	17	S73 and ("100" same (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:52
S77	23	("2714186"   "3169013"   "3176964"   "3301535").PN. OR ("3614069").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/13 13:46

S78	60	(US-6515030-\$ or US- 6413783-\$ or US- 6361747-\$ or US- 6568052-\$ or US- 6440725-\$ or US- 6316747-\$ or US- 6284113-\$ or US- 6277332-\$ or US- 6244738-\$ or US- 6210128-\$ or US- 6193866-\$ or US- 6100084-\$ or US- 6080295-\$ or US- 6048734-\$ or US- 6042709-\$ or US- 6010316-\$ or US- 6003388-\$ or US- 5965001-\$ or US- 5902489-\$ or US- 5890802-\$ or US- 5779985-\$ or US- 5736100-\$ or US- 5688406-\$ or US- 5688405-\$ or US- 5674742-\$ or US- 5646039-\$).did. or (US- 5639423-\$ or US- 5626734-\$ or US- 5523058-\$ or US- 5484573-\$ or US- 5395592-\$ or US- 5276376-\$ or US- 5037481-\$ or US- 5026167-\$ or US- 4879011-\$ or US- 4834124-\$ or US- 4571087-\$ or US- RE31779-\$ or US- 4488816-\$ or US- 4463708-\$ or US- 4433916-\$ or US- 4307964-\$ or US- 4117550-\$ or US- RE29161-\$ or US- 3876890-\$ or US- 3851861-\$ or US- 3786890-\$ or US- 3762368-\$ or US- 3743523-\$ or US- 3720402-\$ or US- 3614069-\$ or US- 3396286-\$ or US- 3194640-\$).did. or (US- 3066686-\$ or US- 2950725-\$ or US- 2864592-\$ or US- 2855526-\$ or US- 2632634-\$ or US-	USPAT	AND	ON	2005/09/13 13:48
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		2565159-\$ or US-0001779-\$).did.				
S79	69	(US-6515030-\$ or US-6413783-\$ or US-6361747-\$ or US-6568052-\$ or US-6440725-\$ or US-6316747-\$ or US-6284113-\$ or US-6277332-\$ or US-6244738-\$ or US-6210128-\$ or US-6193866-\$ or US-6100084-\$ or US-6080295-\$ or US-6048734-\$ or US-6042709-\$ or US-6010316-\$ or US-6003388-\$ or US-5965001-\$ or US-5902489-\$ or US-5890802-\$ or US-5779985-\$ or US-5736100-\$ or US-5688406-\$ or US-5688405-\$ or US-5674742-\$ or US-5646039-\$).did. or (US-5639423-\$ or US-5626734-\$ or US-5523058-\$ or US-5484573-\$ or US-5395592-\$ or US-5276376-\$ or US-5037481-\$ or US-5026167-\$ or US-4879011-\$ or US-4834124-\$ or US-4571087-\$ or US-RE31779-\$ or US-4488816-\$ or US-4463708-\$ or US-4433916-\$ or US-4307964-\$ or US-4117550-\$ or US-RE29161-\$ or US-3876890-\$ or US-3851861-\$ or US-3786890-\$ or US-3762368-\$ or US-3743523-\$ or US-3720402-\$ or US-3614069-\$ or US-3396286-\$ or US-3194640-\$).did. or (US-3066686-\$ or US-2950725-\$ or US-	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/13 13:48

		2864592-\$ or US- 2855526-\$ or US- 2632634-\$ or US- 2565159-\$ or US- 0001779-\$).did.				
S80	866	("1318740"   "1734975" "2127193"   "2138051" "2215484"   "2407462" "2417722"   "2468538" "2500008"   "2565159" "2578505"   "2579908" "2585103"   "2606174" "2632634"   "2702692" "2713998"   "2714186" "2754426"   "2766881" "2840730"   "2855526" "2864592"   "2881080" "2886439"   "2907455" "2916266"   "2949166" "2950725"   "2980537" "3029743"   "3056589" "3066686"   "3072808" "3109721"   "3117768" "3118979"   "3155383" "3167669"   "3169013" "3176964"   "3194640" "3246881"   "3254284" "3266631"   "3292910" "3301535"   "3325976" "3350843"   "3396286" "3410532"   "3410765" "3425951"   "3459505" "3463321"   "3464672" "3495519"   "3510266" "3544733"   "3552536" "3572680"   "3573781" "3614069"   "3618587" "3635446"   "3638087" "3638933"   "3645504" "3650094"   "3681009" "3683212"   "3700089" "3712859"   "3715104" "3720402"   "3746897" "3749318"   "3751014" "3753886"   "3771286" "3799742"   "3805596" "3807704"   "3811623" "3825481"   "3837805" "3851861"   "3873071" "3876890"   "3885902" "3906120"   "3906333" "3912450"   "3931533" "3946829"   "3951605" "3954119"   "3997433" "4009140"   "4016436" "4022579"   "4026765" "4055491"   "4071225"	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/13 13:52

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"4554477"	"4556467"
"4559826"	"4562413"
"4571087"	"4572673"
"4582990"	"4596697"
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"4638032"	"4642220"
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"5108654"	"5110443"
"5114858"	"5121629"
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"5164094"	"5176446"
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"5206171"	"5207988"
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"5223219"	"5225089"
"5229297"	"5234809"
"5247954"	"5252294"
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"5380487"	"5384029"
"5384508"	"5385709"
"5395592"	"5399486"
"5413770"	"5422241"
"5422271"	"5427663"
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"5443890"	"5446263"
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"5466722"	"5467791"
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"5538628"	"5543305"
"5558837"	"5573651"
"5577669"	"5580435"
"5580794"	"5581286"
"5585069"	"5587128"
"5589136"	"5591490"
"5593838"	"5599432"
"5605662"	"5616701"
"5626767"	"5639423"
"5639428"	"5641400"
"5643738"	"5646039"
"5652141"	"5658534"
"5659173"	"5660993"
"5665917"	"5674742"
"5688405"	"5688406"



		"5693785"   "5705018" "5707799"   "5711888" "5714380"   "5716852" "5722444"   "5736100" "5739432"   "5741639" "5746978"   "5770029" "5777141"   "5779985" "5798215"   "5837303" "5842787"   "5843767" "5846727"   "5856174" "5858188"   "5863502" "5863801"   "5869004" "5874046"   "5880071" "5882903"   "5890802" "5921678"   "5922591" "5928880"   "5948673" "5951456"   "5955351" "5972710"   "5976824" "6010316"   "6030581" "6042709"   "6043080" "6068752").PN. OR ("6080295"   "6090545" "6100084"   "6153073" "6156273"   "6168948" "6197595"   "6210128" "6244738"   "6261431" "6277332"   "6284113" "6361747"   "6413783" "6515030"   "RE31779" "Re33524").PN. OR ("2002/0009015"   "2004/0264293"   "2005/0132775"   "2005/0150830"   "2565159"   "2855526"   "2864592"   "3169013"   "3194640"   "3396286"   "3614069"   "3743523"   "3851861"   "4307964"   "4488816"   "4571087"   "4879011"   "5026167"   "5276376"   "5395592"   "5484573"   "5523058"   "5626734"   "5646039"   "5674742"   "5688405"   "5688406"   "5736100"   "5779985"   "5965001"   "6003388"   "6010316"   "6090295"   "6100084"   "6244738"   "6277332"   "6361747"   "6413783"   "6440725"   "6515030"   "6719449").URPN.				
S81	0	S75 and ("100" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:52

S82	0	S75 and ("100" near3 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:52
S83	63	S80 and ("100" near3 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:53
S84	56	S80 and ("100" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:53
S85	26	S80 and ("200" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:53
S86	12	S80 and ("300" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:53
S87	11	S80 and ("400" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:53
S88	23	S80 and ("500" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:54
S89	15	S80 and ("600" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:54
S90	1	S80 and ("700" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:54
S91	11	S80 and ("800" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:54
S92	6	S80 and ("900" adj2 (kilohertz or khz or megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:54
S93	37	S80 and ("10" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55
S94	13	S80 and ("20" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55
S95	12	S80 and ("30" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55
S96	16	S80 and ("40" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55
S97	7	S80 and ("50" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55
S98	0	S80 and ("60" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55
S99	0	S80 and ("70" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55
S100	0	S80 and ("75" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:55

S101	5	S80 and ("80" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:56
S102	0	S80 and ("90" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:56
S103	14	S80 and ("100" adj2 (megahertz or mhz))	US-PGPUB; USPAT	AND	ON	2005/09/13 13:56
S104	0	I30-I40	US-PGPUB; USPAT	AND	ON	2005/09/13 13:56
S105	0	I30-I40	US-PGPUB; USPAT	OR	ON	2005/09/13 13:56
S106	68	S93 S94 S95 S96 S97 S103	US-PGPUB; USPAT	OR	ON	2005/09/13 14:14
S107	0	S105 and (ultrasonic or sonic)	US-PGPUB; USPAT	OR	ON	2005/09/13 14:14
S108	60	S106 and (ultrasonic or sonic)	US-PGPUB; USPAT	OR	ON	2005/09/13 14:14
S109	49	(US-20020009015-\$ or US-20040264293-\$ or US-20050132775-\$ or US-20050150830-\$).did. or (US-2565159-\$ or US- 2855526-\$ or US- 2864592-\$ or US- 3169013-\$ or US- 3194640-\$ or US- 3396286-\$ or US- 3614069-\$ or US- 3743523-\$ or US- 3851861-\$ or US- 4307964-\$ or US- 4488816-\$ or US- 4571087-\$ or US- 4879011-\$ or US- 4983189-\$ or US- 5026167-\$ or US- 5276376-\$ or US- 5395592-\$ or US- 5484573-\$ or US- 5523058-\$ or US- 5626734-\$ or US- 5646039-\$ or US- 5674742-\$ or US- 5688405-\$ or US- 5688406-\$ or US- 5736100-\$ or US- 5739432-\$).did. or (US- 5779985-\$ or US- 5831166-\$ or US- 5965001-\$ or US- 6003388-\$ or US- 6010316-\$ or US- 6039309-\$ or US- 6086821-\$ or US- 6090295-\$ or US-	US-PGPUB; USPAT	AND	ON	2005/09/13 15:59

		6100084-\$ or US-6210128-\$ or US-6244738-\$ or US-6277332-\$ or US-6361747-\$ or US-6413783-\$ or US-6440725-\$ or US-6515030-\$ or US-6719449-\$ or US-6764860-\$ or US-6859050-\$).did.				
S110	17	S109 and sensor	US-PGPUB; USPAT	AND	ON	2005/09/13 16:00
S111	14	S109 and sensor and ultrasonic	US-PGPUB; USPAT	AND	ON	2005/09/14 09:29
S112	160	366/132.ccls.	US-PGPUB; USPAT	AND	ON	2005/09/14 09:31
S113	187	366/132.ccls.	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:31
S114	13	366/132.ccls. and vibrator	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:32
S115	49	366/132.ccls. and sensor	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:37
S116	36	366/151.1.ccls. and sensor	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:39
S117	0	366/151.1,152.1.ccls. and charateristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:40
S118	0	366/152.1.ccls. and charateristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:40
S119	0	366/151.1,152.1.ccls. and charateristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:41
S120	0	366/152.1.ccls. and charateristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:40
S121	0	366/152.1.ccls. and charateristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:40
S122	1017	charateristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:41
S123	2070398	Characteristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:41
S124	112	366/151.1,152.1.ccls. and Characteristic	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:44
S125	4	"5993671"	US-PGPUB; USPAT; USOCR	AND	ON	2005/09/14 09:44

S126	44	( "0001779"   "2565159"	USPAT	OR	OFF	2006/03/16
		"2632634"   "2855526"				12:52
		"2864592"   "2950725"				
		"3066686"   "3194640"				
		"3396286"   "3614069"				
		"3743523"   "3876890"				
		"4307964"   "4488816"				
		"4571087"   "4834124"				
		"4879011"   "4983189"				
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		"6039309"   "6086821"				
		"6100084"   "6210128"				
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		"6277332"   "6284113"				
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		"6440725"				
		"6515030").PN.				

6/ 7/ 2008 5:26:24 PM

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 \ Vibrators or sonic\ Acoustic Sound focused 2cm flow in out.wsp